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PRE AMDT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Krieg
Divisional of Serial No: 08/960,774
Filed: October 30, 1997
For: METHODS OF TREATING CANCER USING
IMMUNOSTIMULATORY OLIGONUCLEOTIDES

Box: Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Please amend the Application as follows:

Please cancel claims 2-41.

Please add the following new claims:

42. A method for increasing the responsiveness of a cancer cell to a cancer therapy, comprising:

administering to a subject having a cancer an effective amount for increasing the responsiveness of a cancer cell to a cancer therapy of an immunostimulatory nucleic acid, having a sequence including at least the following formula:



wherein C and G are unmethylated, wherein X₁, X₂ and X₃, X₄ are nucleotides, and wherein the sequence is not palindromic.

43. The method of claim 42, further comprising administering a chemotherapeutic agent.

44. The method of claim 42, further comprising administering a cancer immunotherapeutic agent.

45. The method of claim 42, wherein the cancer is brain cancer.

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